

II. CLAIMS

1. (Previously Presented) An electronic device, which is a wireless auxiliary device to be used with another electronic device and provided with means for manual entering of a key code, wherein said means for entering of a key code comprise at least one selector which is arranged to select said key code or an element of it, and wherein a secure wireless data transmission link is arranged to be set up between said auxiliary device and said another electronic device, by means of the selected key code.

2. (Previously Presented) The electronic device according to claim 1, wherein the key code is a secret key code or a security code, such as a PIN code.

3. (Previously Presented) The electronic device according to claim 1, wherein the selector is rotatable, comprising a roll, wheel or disc part which is arranged to rotate around an axis of rotation which is substantially perpendicular or substantially parallel to the auxiliary device.

4. (Previously Presented) The electronic device according to claim 1, wherein the auxiliary device comprises one, and only one, selector which is arranged for entering a key code consisting of at least two elements, such as numbers.

5. (Previously Presented) The electronic device according to claim 1, wherein the key code consisting of at least two elements, such as numbers, is arranged to be entered by successive selection sequences, wherein each selection sequence corresponds to one said element.

6. (Previously Presented) The electronic device according to claim 1, wherein, to accept the already selected key code or its selected element, said selector is arranged to be pressed.

7. (Previously Presented) The electronic device according to claim 1, wherein the auxiliary device further comprises means to detect the selected key code and to store it in the memory of the auxiliary device, the means comprising a position detector which is arranged to read the key code selected by the selector, and a processor controlling the operation, for processing and storing the key code in the memory.

8. (Previously Presented) The electronic device according to claim 1, wherein the auxiliary device is a wireless portable hands-free set.

9. (Previously Presented) The electronic device according to claim 5, wherein said selection sequence is composed of at least one predefined position of the selector, or at least one predefined motion of the selector, or a combination of said position and said motion.

10. (Previously Presented) The electronic device according to claim 9, wherein the secure wireless data transmission between said auxiliary device and said another electronic device is arranged to be performed by using a wireless communication method, such as Bluetooth, WLAN or IrDA.

11. (Previously Presented) A method for entering a key code into an electronic device operating as an auxiliary device of another electronic device and being provided with means for manual entering of the key code, the method comprising:

selecting said key code by using at least one selector, which is arranged for the selection of said key code or its part, and

setting up a secure wireless data transmission link between the auxiliary device and said another electronic device by means of the selected key code.

12. (Previously Presented) The method according to claim 11, the method comprising:

selecting the key code by rotating each rotatable selector in a predetermined position corresponding to the key code.

13. (Previously Presented) The method according to claim 11, the method comprising:

selecting the key code by rotating one, and only one, rotatable selector in predetermined successive positions corresponding to the key code.

14. (Previously Presented) The method according to claim 13, the method comprising:

rotating the selector a predetermined number of revolutions between the different positions.

15. (Previously Presented) The method according to claim 11, the method comprising:

selecting the key code by rotating one, and only one, rotatable selector into predetermined successive positions corresponding to the key code in such a way that the direction of rotation is always changed to the opposite between the different positions.

16. (Previously Presented) The method according to claim 11, wherein the key code comprises a number, the method comprising:

selecting the key code by rotating the rotatable selector a number of revolutions corresponding to said number in the same direction.

17. (Previously Presented) The method according to claim 11, wherein the key code comprises at least two numbers, the method comprising:

selecting the key code by rotating one, and only one, rotatable selector the number of revolutions corresponding to the number in the same direction, and by changing the direction of rotation to the opposite between successive numbers.

18. (Previously Presented) The method according to claim 11, the method comprising:

accepting the already selected key code or its selected part by changing the direction of rotation of the rotated selector or by pressing said selector or by pressing a control button provided in the auxiliary device.

19. (Previously Presented) A wireless device and an auxiliary device, said auxiliary device being arranged to operate in a wireless manner and provided with means for manual entering of a key code, wherein said means for entering a key code comprise at least one selector arranged to select said key code or an element of it, and wherein a secure wireless data transmission link is arranged to be set up between said auxiliary device and said wireless device, by using the selected key code.

20. (Previously Presented) The wireless device and the auxiliary device according to claim 19, wherein the auxiliary device is a wireless portable hands-free set.

21. (Previously Presented) The electronic device according to claim 1, wherein, to accept the already selected key code or its selected element, said auxiliary device is provided with a control button.

22. (Previously Presented) The electronic device according to claim 1, wherein the auxiliary device is a wireless smart card reader.

23. (Previously Presented) The electronic device according to claim 8, wherein said another electronic device is a mobile phone.

24. (Previously Presented) The electronic device according to claim 22, wherein said another electronic device is a mobile phone.

25. (Previously Presented) The wireless device and the auxiliary device according to claim 19, wherein the auxiliary device is a wireless smart card reader.

26. (Previously Presented) The wireless device and the auxiliary device according to claim 19, wherein the wireless device is a mobile phone.

27. (Previously Presented) The electronic device according to claim 3, wherein the auxiliary device is provided without display and keypad.